

Figure 1

SEQ ID NO:1	CAACCCAGGAGGACTGGGTGAACAAACCCGGAAGTGA	TCCATGTAAGCC	CTCAGAACCGTCTCGGAAGGAGGACCCACATGTTGTAACCTCAAAG	GTAAGCC	CTCAGAACCGTCTCGGAA (→)
AF196835	.....T.....	.....	.....	.....	.....
AF260968	.....	.....	.....	.....	.....
AF260969	.....	.....	.....	.....	.....
AF481864	.....	.....	.....	.....	.....
M12294	.....C.....T.....G.....	.....C.....	.....	.....	.....G.C.T..G.C.....
AF206518	.....	.....	.....	.....	.....
AF317203	.....	.....	.....	.....	.....
AF202541	.....	.....	.....	.....	.....
AF404757	.....T.....	.....	.....	.....	.....
AF404753	.....	.....	.....	.....	.....
AF404754	.....	.....	.....	.....	.....
AF404755	.....	.....	.....	.....	.....
AF404756	.....	.....	.....	.....	.....
AF017254	.....T.....	.....	.....	.....	.....
L48977	.....C.....T.....G.....	.....C.....	.....	.....	.....G.C.T..G.C.....
AF196536	.....	.....	.....	.....	.....
AF196537	.....T..G..C.....	.....	.....T.....	.....	.....G.C.....
AF196538	.....T..G..C.....	.....	.....T.....	.....	.....GT.C.....
AF196540	.....T..G..C.....	.....	.....T.....	.....	.....GT.C.....
AF196541	.....	.....	.....	.....	.....
AF196542	.....	.....	.....	.....	.....
AF196543	.....T.C.....G.....	.....C.....	.....A.....	.....	.....G..T..G.C.....G.
AF297840	.....T.....	.....	.....C.....	.....	.....G.....G.
AF458343	.....	.....	.....C.....	.....	.....G.....G.
AF458344	.....T.....	.....	.....	.....	.....
AF458347	.....T.....	.....	.....	.....	.....
AF458348	.....	.....	.....	.....	.....
AF458350	.....	.....	.....	.....	.....
AF458352	.....T..G..C.....	.....	.....C.....T.....	.....	.....GT.Y.....
AF458353	.....T..G..C.....	.....	.....T.....	.....	.....GT.C.....
AF458355	.....T.....	.....	.....	.....	.....
AF458358	.....T.C.....G.....	.....C.....	.....A.....	.....	.....G..T..G.C.....G.
AF458360	.....	.....	.....	.....	.....
AF458361	.....	.....	.....	.....	.....
AF208017	.....C.....T.....G.....	.....C.....	.....	.....	.....G.C.T..G.C.....
AF196539	.....C.....T.....G.....	.....C.....	.....	.....	.....G.C.T..G.C.....
AF196535	.....C.....G.....	.....C.....	.....	.....	.....G.C.T..G.C.....G.

AF458359	C.	T.	G.	C.			G.	C.	T.	G.	C.
AF458357	C.		G.	C.				G.	C.	T.	G.
AF458354	C.	T.	G.	C.				G.	C.	T.	G.
AF458349	C.	C.	T.	G.	C.			G.	C.	T.	G.
AF458345	C.	T.	G.	C.				G.	C.	T.	G.
AF458346	C.	T.	G.	C.	T.			G.	C.	T.	G.
AF533540											
AY187012											
AY187013			G.								
AY187014											
AY187015											
AY262283											
AY277251	AT.	T.	AT.	G.	C.		AT.	T.	C.		G.
AY277252											
AY278441											
AY278442											
AY268132						A.					
AY268133											
AY490240		T.									
Kunjin											
D00246		T.						A.			G.
AY274504		T.						A.			G.
AY274505		T.						A.			G.
L49311		T.	G.		C.			A.		G.	T.
L48978		T.						A.			G.
L48979		T.						A.			G.
AF297840		T.					C.				G.
AF297841		T.						A.			G.
AF297842		T.						A.			G.
AF297843		T.						A.			G.
AF297844		T.						A.			G.
AF297845		T.						A.			G.
AF297846		T.					C.			T.	G.
AF297847	T.	T.					C.				G.
AF297848		T.						A.			G.
AF297849		T.						A.			G.
AF297850		T.					C.				G.
AF297851		T.					C.	GTA.		G.	G.

AF297852	.....T.....	.....C.....	.....G.....	.....A.....	.....G.....	.....G.....
AF297853	.....T.....	.....C.....	.....G.....	.....A.....	.....G.....	.....G.....
AF297854	.....T.....	.....A.....	.....GA.....	.....G.....	.....G.....	.....G.....
AF297855	.....T.....	.....A.....	.....G.....	.....G.....	.....G.....	.....G.....
AF297856	.....T.....	.....A.....	.....G.....	.....G.....	.....G.....	.....G.....
AF297857	.....T.....	.....G.....	.....CCT.....	.....GA.....	.....G.....	.....G.....
AF297858	.....T.....	.....A.....	.....G.....	.....G.....	.....G.....	.....G.....
AF297859	.....T.....	.....A.....	.....G.....	.....G.....	.....G.....	.....G.....
AF458351	.....T.....	.....GA.....	.....G.....	.....G.....	.....G.....	.....G.....
AF458356	.....T.....	.....C.....	.....A.....	.....G.....	.....G.....	.....G.....
L24512	.....T.....	.....A.....	.....G.....	.....G.....	.....G.....	.....G.....
JEV						
AB051292	.....GTT.....	.....T.....	.....T.....	.....AC.....	.....CG.....	.....AGTGG.....
AF014160	.....GT.....	.....T.....	.....T.....	.....AC.....	.....TA.....	.....AAGTGA.....
AF014161	.....GT.....	.....T.....	.....T.....	.....AC.....	.....TA.....	.....AAGTGA.....
AF045551	.....GTT.....	.....T.....	.....T.....	.....AC.....	.....CG.....	.....AGGTGG.....
AF069076	.....GT.....	.....T.....	.....T.....	.....AC.....	.....CA.....	.....AAGTGA.....
AF075723	.....GT.....	.....T.....	.....T.....	.....AC.....	.....CA.....	.....GAGTGA.....
AF080251	.....GT.....	.....T.....	.....T.....	.....AC.....	.....CA.....	.....AAGTGA.....
AF098735	.....GT.....	.....T.....	.....T.....	.....AC.....	.....CA.....	.....AAGTGA.....
AF098736	.....GT.....	.....T.....	.....T.....	.....AC.....	.....CA.....	.....AAGTGA.....
AF098737	.....GT.....	.....T.....	.....T.....	.....AC.....	.....CA.....	.....AAGTGA.....
AF217620	.....GTT.....	.....T.....	.....T.....	.....AC.....	.....CA.....	.....AGGTGA.....
AF221499	.....GT.....	.....T.....	.....T.....	.....AC.....	.....CA.....	.....AAGTGA.....
AF221500	.....GT.....	.....T.....	.....T.....	.....AC.....	.....CA.....	.....AAGTGA.....
AF254452	.....GT.....	.....T.....	.....T.....	.....AC.....	.....CA.....	.....AAGTGA.....
AF254453	.....GT.....	.....T.....	.....T.....	.....AC.....	.....CA.....	.....AAGTGA.....
AF315119	.....GT.....	.....T.....	.....T.....	.....AC.....	.....CA.....	.....AAGTGA.....
AF416457	.....GT.....	.....T.....	.....T.....	.....AC.....	.....CAA.....	.....AAGTGA.....
AF486638	.....GT.....	.....T.....	.....T.....	.....AC.....	.....CA.....	.....AAGTGA.....
U14163	.....GT.....	.....T.....	.....T.....	.....AC.....	.....CA.....	.....AAGTGA.....
U15763	.....GT.....	.....T.....	.....T.....	.....AC.....	.....CA.....	.....AAGTGA.....
L48961	.....GT.....	.....T.....	.....T.....	.....AC.....	.....CG.....	.....AAGTGA.....
U47032	.....GT.....	.....T.....	.....T.....	.....AC.....	.....CA.....	.....AAGTGA.....
M18370	.....GT.....	.....T.....	.....T.....	.....AC.....	.....CA.....	.....AAGTGA.....
M55506	.....GT.....	.....T.....	.....T.....	.....AC.....	.....CA.....	.....AAGTGA.....
D90195	.....GT.....	.....T.....	.....T.....	.....AC.....	.....CA.....	.....AAGTGA.....
D90194	.....GT.....	.....T.....	.....T.....	.....AC.....	.....CA.....	.....AAGTGA.....

AF311748	.GT.....T.....T.T.AC.CA.AAGTGA.A.....T...T...TG.TCAC..G.G.G....
AF092550	.GTT.....T.....T.T.AC.CA.AGGTGA.A.....T...T...TG.TCACC.G.G.GG....
AF092552	.GTT.....T.....T.T.AC.CA.AGGTGA.A.....T...T...TG.TCACC.G.G.GG....
AF092553	.GTT.....T.....T.T.AC.CA.AGGTGA.A.....T...T...TG.TCACC.G.G.GG....
AF139531	.GTT.....T.....T.T.AC.CA.AGGTGA.A.....T...T...TG.TCACC.G.G.GG....
AF148900	.GTT.....T.....T.T.AC.CA.AGGTGA.A.....T...T...TG.TCACC.G.G.GG....
AF148901	.GTT.....T.....T.T.AC.CA.AGGTGA.A.....T...T...TG.TCACC.G.G.GG....
AF148902	.GTT.....T.....T.T.AC.CA.AGGTGA.A.....T...T...TG.TCACC.G.G.GG....
AF218068	.GTT.....T.....T.T.AC.CA.AGGTGA.A.....T...T...TG.TCACC.G.G.GG....
AF289816	.GT.....T.....T.T.AC.CG.AGGTGG.A.....T...T...TG.TCACC.G.G.G....
AF318291	.GT.....T.....T.T.AC.CG.AGGTGG.A.....T...T...TG.TCACC.G.G.G....
L48967	.GTT.....T.....T.T.AC.CA.AGGTGA.A.....T...T...TG.TCACC.G.G.GG....
L48968	.GTT.....T.....T.T.AC.CA.AGGTGA.A.C.....T...T...TG.TCACC.G.G.GG....
AY184212	.GT.....C.....T.T.AC.CG.GAGTGA.A.....A...T...TG.TCAC..G.TG.GG....
AY251616	.GT.....T.....T.T.AC.CG.AGGTGG.A.....T...T...TG.TCACC.G.G.G....
AY278556	.GTT.....T.....T.T.AC.CG.AGGTGG.A.....C...T...TG.TCACC.G.G.G....
AY316157	.GTT.....T.....T.T.AC.CG.AGGTGG.A.....A.....C...T...TG.TCACC.G.G.G....
L54067	.GTT.....T.....T.T.AC.CA.AGGTGA.A.....T...T...TG.TCACC.G.G.GG....
L54068	.GTT.....T.....T.T.AC.CA.AGGTGA.A.....T...T...TG.TCACC.G.G.GG....
L54069	.GTT.....T.....T.T.AC.CA.AGGTGA.A.....T...T...TG.TCACC.G.G.GG....
L54070	.GTT.....T.....T.T.AC.CA.AGGTGA.A.....T...T...TG.TCACC.G.G.GG....
L54071	.GTT.....T.....T.T.AC.CA.AGGTGA.A.....T...T...TG.TCACC.G.G.GG....
L54072	.GTT.....T.....T.T.AC.CA.AGGTGA.A.....T...T...TG.TCACC.G.G.GG....
L54122	.GTT.....T.....T.T.AC.CA.AGGTGA.A.....T...T...TG.TCACC.G.G.GG....
L54123	.GTT.....T.....T.T.AC.CA.AGGTGA.A.....T...T...TG.TCACC.G.G.GG....
AF306514	.GTT.....T.....TTT.AC.CG.AGGTGG.A.....CTCCT TT TCACC.G.G.G....
AF306515	.GTT.....G.....C.....TTT.AC.CA.AAGTGA.A.....T...T...TT.TCAC..G.G.G....
AF306516	.TT.....T.....TTT.AC.CA.AAGTGA.A.....T...T...TT.TCAC..G.G.G....
AF306517	.GT.....T.....T.T.AC.CA.AGGTGA.A.....A.....T...T...TT.TCAC..G.G.G....
SLEV	
BFSI750-C	TGG.....T.....T.....AATCT.GCCGAGT GCA.....C.... TT..A.....G...GTCC.TAGCACGTAG.CTGAGAGG.C
1750-Std	TGG.....T.....T.....AATCT.GCCGAGT GCA.....C.... TT..A.....G...GTCC.TAGCACGTAG.CTGAGAGG.C
TD6-4G-C	TGG.....T.....T.....AATCT.GCCGAGT GCA.....C.... TT..A.....G...GTCC.TGCACACGTAG.CTGAGAGG.C
TD6-4G-20	TGG.....T.....T.....AATCT.GCCGAGT GCA.....C.... TT..A.....G...GTCC.TGCACACGTAG.CTGAGAGG.C
Coav750	TGG.....T.....T.C.....AATCT.GCTGAGT GCA.....C..G TT..AT...G...GTCC.TGCACACGTAG.CTGAGAGG.C
L695121.05	TGG.....T.....T.....AATCC.GCTGGGT GCA.....C.... TT..A.....G...GTCC.TGCATGTAG.CTGAGAGG.C
TNM771K-C	TGG.....T.....C.T.....AATCT.GCTGGGT GCA.....C.... TT..A.....G...GTCC.TGCACACGTAG.CTGAGAGG.C
MSI-7-C	TGG.....C.....T.....AATCC.GCTGGGT GCA.....C.... TT..A.....G...GTCC.TGCACACGTAG.CTGAGAGG.C

Figure 1 - cont.

Kern217 TGG.....C.....T.T.....AATCC.GCTGGGT GCA.....C.....TT...A.....G...GTCC.TGGCACGTAG.CTGGAGAGG.C  
 CoaV608 .....C.....T.T.....AATCC.GCTGGGT GCA.....C.....TT...A.....G...GTCC.TGGCACGTAG.CTGGAGAGG.C  
 TBH-28 .....T.T.....AATCC.GCTGGGT GCA.....C.....TT...A.....G...GTCC.TGGCACGTAG.CCGGAGAGG.C  
 VR1265 .....T.T.....AATCT.GCTGGGT GCA.....C.....TT...A.....G...GTCC.TGGCACGTAG.CTGGAG.GG.C  
 CoaV353 .....T.T.....AATCTAGCTGAGT GCA.....C.....TT...A.....G...GTCC.TGGCACGTAG.CTGGAGAGG.C  
 MVEV  
 VR77 .....T.C.....T.ATTCTCC.CGGTTG.A.....T.C.....AG.AGT...TGCCAACAATGGAGATG.A  
 AF161266 .....T.C.....T.ATTCTCC.CGGTTG.A.....T.C.....AG.AGT...TGCCAACAATGGAGATG.A  
 M35172 .....T.C.....T.ATTCTCC.CGGTTG.A.....T.C.....AG.AGT...TGCCAACAATGGAGATG.A  
 L48972 .....T.C.....T.ATTCTCC.CGGTTG.A.....T.C.....AG.AGT...T.CCAACAATGGAGATG.A  
 L48973 .....T.C.....T.ATTCTCC.CGGTTG.A.....T.C.....AG.AGT...TGCCAACAATGGAGATG.A  
 L48974 .....T.C.....T.ACTCTCT.CGGTTG.A.....T.C.....AG.AGT...TGCCAACAATGGAGATG.A  
 L48975 .....T.C.....T.ACTCTCT.CGGTTG.A.....T.C.....AG.AGT...TTCCAACAATGGAGATG.A  
 L48976 .....T.C.....T.ATTCTCC.CGGTTG.A.....T.C.....AG.AGT...TGC.AACAATGGAGATG.A  
 Koutango virus  
 L48980 .....C.....T.T....G.A....C....T....G....T...TTC.....

Figure 2

SEQ ID NO:9	TCAGT	GAAGCTGTAGGTCAGG	GGAAGGACTAGAGGTTAGTGGAGACCCCGTCCACAAACACCAACACAGCATATTGACACCTGGGA	TAGACTAGGAGA
AF196835	.G.	.....	(←) AACTGTGACCCCT	ATCTGATCCTCT
AF260967	.G.	.....	.....	.....
AF260968	.G.	.....	.....	.....
AF260969	.G.	.....	.....	.....
AF481864	.G.	.....	.....	.....
M12294	.G.	A.C.A.	.....A.G.	.....G.
AF206518	.G.	.....	.....	.....
AF317203	.G.	.....	.....	.....
AF202541	.G.	.....	.....	.....
AF404757	.G.	.....	.....	.....
AF404753	.G.	.....	.....	.....
AF404754	.G.	.....	.....	.....
AF404755	.G.	.....	.....	.....
AF404756	.G.	.....	.....T.	.....
AF017254	.G.	.....	.....	.....
AF533540	.G.	.....G.	.....	.....
AY262283	.G.	.....	.....	.....
AY278441	.G.	.....	.....	.....
AY268132	.G.	.....	.....	.....
AY268133	.G.	.....	.....	.....
Kunjin	.G.	.....	.....G.	.....C.
AY274504	.G.	.....	.....G.	.....C.
AY274505	.G.	.....	.....G.	.....C.
L24512	.G.	.....	.....G.	.....C.
JEV	CCC.C.	G.AGG.T	TTG.T.	TTG.T.
AB051292	CCC.C.	AGG.T	TTG.T.	TTG.T.
AF014160	CCC.C.	AGG.T	TTG.T.	TTG.T.
AF014161	CCC.C.	AGG.T	TTG.T.	TTG.T.
AF045551	CCC.C.	AGG.T	TTG.T.	TTG.T.
AF069076	CCC.C.	AGG.T	TTG.T.	TTG.T.
AF075723	CCC.C.	AGG.T	TTG.T.	TTG.T.
AF080251	CCC.C.	AGG.T	TTG.T.	TTG.T.
AF098735	CCC.C.	AGG.T	TTG.T.	TTG.T.
AF098736	CCC.C.	AGG.T	TTG.T.	TTG.T.
AF098737	CCC.C.	AGG.T	TTG.T.	TTG.T.
AF217620	CTC.C.	AGG.A.T	TTG.T.	TTG.T.
AF221499	CTC.C.	AGG.T	TTG.T.	TTG.T.
AF221500	CTC.C.	AGG.T	TTG.T.	TTG.T.
AF254452	CCC.C.	AGG.T	TTG.T.	TTG.T.

Figure 2 - cont.

AF254453	CCC..C.....AGG..T.....A.....CAT	TTG..T.....A.....G....
AF315119	CCC..C.....AGG..T.....A.....CAT	TTG..T.....A.....G....
AF416457	CCC..C.....AGG..T.....A.....CAT	TTG..T.....A.....G....
AF486638	CCC..C.....AGG..T.....A.....CAT	TTG..T.....A.....G....
U14163	CCC..C.....AGG..T.....A.....CAT	TTG..T.....A.....G....
U15763	CCC..C.....AGG..T.....A.....CAT	TTG..T.....A.....G....
L48961	CTC..C.....AGG..T.....A.....CAT	TTG..T.....A.....G....
U47032	CCC..C.....AGG..T.....A.....CAT	TTG..T.....A.....G....
M18370	CCC..C.....AGG..T.....A.....CAT	TTG..T.....A.....G....
M55506	CCC..C.....AGG..T.....A.....CAT	TTG..T.....A.....G....
L78128	CCC..C.....AGG..T.....A.....CAT	TTG..T.....A.....G....
D90195	CCC..C.....AGG..T.....A.....CAT	TTG..T.....A.....G....
D90194	CCC..C.....AGG..T.....A.....CAT	TTG..T.....A.....G....
AF311748	CCC..C.....AGG..T.....A.....CAT	TTG..T.....A.....G....
AY184212	CCCT..C.....AAG..T.....A.....CAT	TTG..T.....A.....G....
AY316157	CCC..C.....AGG..T.....A.....CAA	TTTG..T.....A.....G....
AF306514	CCC..C.....AGG..T.....A.....CAA	TTTG..T.....A.....G....
AF306515	CCC..C.....AGG..T.....A.....CAT	TTG..T.....A.....G....
AF306516	CCC..C.....AGG..T.....A.....CAT	TTG..T.....A.....G....
AF306517	CCC..C.....AGG..T.....A.....CAT	TTG..T.....A.....G....
D00037	CCT..T.....T.T.AGGT..TT.....T.A.....CT	TTG..T.....A.....G....
M14933	CCT..T.....T.T.AGGT..TT.....T.A.....CT	TTG..T.....A.....G....
SLEV		
BFS1750-C	CCG..C.....AGAC..G.....A.....T....G TT...G. A....	A.....
1750-Std	CCG..C.....AGAC..G.....A.....C.GA	
TD6-4G-C	CCG..C.....AGAT..G.....A.....T....G TT...G. A....	A.....
TD6-4G-20	CCG..C.....AGAT..G.....A.....T....G TT...G. A....	A.....
CoaV750	CCG..C.....AGAT..G.....A.....C.G	
L695121.05	CCG..C.....AGAC..G.....A.....T....G TT...G. A....	A.....
TNM771K-C	CCG..C.....AGAC..G.....A.....T....G TT...G. A.N..	A.....
MSI-7-C	CCG..CA.....AGAC..G.....A.....T....G TT...G. A....	A.....
Kern217	CCG..CA.....AGAC..G.....A.....T....G TT...G. A....	A.....
CoaV608	CCG..CA.....AGAC..G.....A.....T....G TT...G. A....	A.....
TBH-28	CCG..C.....AGAC..G.....A.....T....G TT...G. A....	A.....
VR1265	CCG..C.....AGAC..G.....A.....T....G TC...G. A....	A.....
CoaV353	CCG..C.....AGAC..G.....A.....T....G TT...G. A....	A.....
MVEV		
VR77	.CG..C.....A.G.G..T.....C.....ACT.T....G .AT... C.....	AA.....
AF161266	.CG..C.....A.G.G..T.....C.....ACT.T....G .AT... C.....	AA.....
M35172	.CG..C.....A.G.G..T.....C.....ACT.T....G .AT... C.....	AA.....

SEQ ID NO:70	CCCCCTTCCTGATCTCCAATCTCCTCTGGG	TT	TAAAGT	GC	A	CGCCCCAGCCTGACT	GAAGCTCTAGGTCAAG	GGGAGGAGCTACAGCTTACCTTCGAGAGCC	CCTGCACAAAACA	(←)
SEQ ID NO:28	GGACTAGAGGTTAGAGGAGACCCCGGG	TT								(→)
AF196835	CAGCGCGAAGGAGCTACAGCTTACAGAGAGACCCGCGG									
West Nile virus										
AF260967										
AF260968										
AF260969			G...							
AF481864										
M12294	A...G.....T	AAA				A.T.G.	A.C.A.	A.	A..CAC	
AF206518										
AF317203			G...							
AF202541										
AF404757			G...A							
AF404753										
AF404754										
AF404755										
AF404756										
AF017254										
AF208017	A...G.....T	AA				A.T.G.	A.C.A.			
AF533540										
AY262283										
AY277251	A...A...G.....C.....T...CATAAG		G...AGAG...							G..
AY277252			G...							
AY278441										
AY278442			G...							
AY268132										
AY268133										
AY490240										
Kunjin virus										
AY274504	A..T.....T	C.	G....							G..
AY274505	A..T.....T	C.	G....							G..
L24512	A..T.....T	C.	G....							G..
Japanese encephalitis virus										
AB051292	TA..T.T.....T	AAA	C..CA	TT		TG.....AG.CCC..	C.....G.AGG..T	A	CATTGTC.TCA.	
AF014160	GA..T.T.....T	AAA	C..CA	A.		TG.....AG.CCC..	C.....AGG..T	A	CATTGTC.TCA.	
AF014161	GA..T.T.....T	AAA	C..CA	A.		TG.....AG.CCC..	C.....AGG..T	A	CATTGTC.TCA.	
AF045551	TTA..T.T.....T	AAA	C..AA	TT		TG.....AG.CCC..	C.....AGG..T.T...A.	A	CAATTGTC.T..	
AF069076	GA..T.T.....T	AAA	C..CA	A.		TG.....AG.CCC..	C.....AGG..T	A	CATTGTC.TCA.	
AF075723	GA..T.T.....T	AAA	T..CA	A.		TG.....AG.CCC..	C.....AGG..T	A	CATTGTC.TCA.	
AF080251	GA..T.T.....T	AAA	C..CA	A.		TG.....AG.CCC..	C.....AGG..T	A	CATTGTC.TCA.	
AF098735	GA..T.T.....T	AAA	C..CA	A.		TG.....AG.CCC..	C.....AGG..T	A	CATTGTC.TCA.	
AF098736	GA..T.T.....T	AAA	C..CA	A.		TG.....AG.CCC..	C.....AGG..T	A	CATTGTC.TCA.	
AF098737	GA..T.T.....T	AAA	C..CA	A.		TG.....AG.CCC..	C.....AGG..T	A	CATTGTC.TCA.	
AF217620	GA..T.T.....T	AAA	C..CA	AT		TG.....AG..TC..	C.....AGG..A.T	A	CATTGTC.TCA.	
AF221499	GA..T.T.....T	AAA	C..TA	A.		TG.....AG.CTC..	C.....AGG..T	A	CATTGTC.TCA.	
AF221500	GA..T.T.....T	AAA	C..TA	A.		TG.....AG.CTC..	C.....AGG..T	A	CATTGTC.TCA.	
AF254452	GA..T.T.....T	AAA	C..CA	A.		TG.....AG.CCC..	C.....AGG..T	A	CATTGTC.TCA.	
AF254453	GA..T.T.....T	AAA	C..CA	A.		TG.....AG.CCC..	C.....AGG..T	A	CATTGTC.TCA.	
AF315119	GA..T.T.....T	AAA	C..CA	A.		TG.....AG.CCC..	C.....AGG..T	A	CATTGTC.TCA.	
AF416457	GA..T.T.....T	AAA	C..CA	A.		TG.....AG.CCC..	C.....AGG..T	A	CATTGTC.TCA.	
AF486638	GA..T.T.....T	AAA	C..CA	A.		TG.....AG.CCC..	C.....AGG..T	A	CATTGTC.TCA.	



Figure 3\* - cont.

U14163	CA..T.T.....T..	AAA	C..CA	A.	TG.....AG.CCC..C.....AGG..T.....A.....CATTGC.TCA.
U15763	GA..T.T.....T..	AAA	C..CA	A.	TG.....AG.CCC..C.....AGG..T.....A.....CATTGC.TCA.
L48961	GA..T.T.....T..	AAA	C..CA	A.	TG.....AG.CTC..C.....AGG..T.....A.....CATTGC.TCA.
U47032	GA..T.T.....T..	AAA	C..CA	A.	TG.....AG.CCC..C.....AGG..T.....A.....CATTGC.TCA.
M18370	GA..T.T.....T..	AAA	C..CA	AT	TG.....AG.CCC..C.....AGG..T.....A.....CATTGC.TCA.
M55506	GA..T.T.....T..	AAA	C..CA	A.	TG.....AG.CCC..C.....AGG..T.....A.....CATTGC.TCA.
L78128	GA..T.T.....T..	AAA	C..CA	A.	TG.....AG.CCC..C.....AGG..T.....A.....CATTGC.TCA.
D90195	GA..T.T.....T..	AAA	C..CA	A.	TG.....AG.CCC..C.....AGG..T.....A.....CATTGC.TCA.
D90194	GA..T.T.....T..	AAA	C..CA	AT	TG.....AG.CCC..C.....AGG..T.....A.....CATTGC.TCA.
AF311748	GA..T.T.....T..	AAA	C..CA	A.	TG.....AG.CCC..C.....AGG..T.....A.....CATTGC.TCA.
AY184212	GA..AT.T.....T..	AAA	C..CA	A.	TG.....AG.CCC..C.....AGG..T.....A.....CATTGC.TCA.
AX316157	TA..T.T.....T..	AAA	C..CA	T.	TG.....AG.CCC..C.....AGG..T.....A.....CATTGC.T..
AF306514	TTA..T.T.....T..	AAA	C..AA	TT	TG.....AG.CCC..C.....AGG..T.T.....A.....CATTGC.T..
AF306515	GA..T.T.....T..	AAA	C..AA	AA	TG.....AG.CCC..C.....AGG..T.....A.....CATTGC.TCA.
AF306516	GA..T.T.....T..	AAA	C..AA	AA	TG.....AG.CCC..C.....AGG..T.....A.....CATTGC.TCA.
AF306517	GA..T.T.....T..	AAA	C..AA	AA	TG.....AG.CCC..C.....AGG..T.....A.....CATTGC.TCA.
St. Louis encephalitis virus					
BFS1750	T.....T.....T..	CA	CTTG	..	A.....AA.CCG..C.....AGAC..G.....A.....T.....GTT..CGC
1750-Std	T.....T.....T..	CA	CTTG	..	A.....AA.CCG..C.....AGAC..G.....A.....T.....GTT..CGC
TD6-4G	T.....T.....T..	CA	CTCG	..	A.....AA.CCG..C.....AGAT..G.....A.....T.....GTT..CGC
CoaV750	T.....T.....T..	CA	CTTG	..	A.....AA.CCG..C.....AGAT..G.....A.....T.....GTT..CGC
L695121.05	T.....T.....T..	A	CTTG	..	A.....AA.CCG..C.....AGAC..G.....A.....T.....GTT..CGC
TNM771K	T.....T.....T..	A	CTTG	..	A.....AA.CCG..C.....AGAC..G.....A.....T.....GTT..CGC
MS1-7	T.....T.....T..	A	CTTG	..	A.....AA.CCG..C.....AGAC..G.....A.....T.....GTT..CGC
Kern217	T.....T.....T..	A	CTTG	..	A.....AA.CCG..C.....AGAC..G.....A.....T.....GTT..CGC
CoaV608	T.....T.....T..	A	CTTG	..	A.....AA.CCG..C.....AGAC..G.....A.....T.....GTT..CGC
TBH-28	T.....T.....T..	A	TTTG	..	A.....AA.CCG..C.....AGAC..G.....A.....T.....GTT..CGC
VR1265	T.....T.....T..	A	CTTG	..	A.....AA.CCG..C.....AGAC..G.....A.....T.....GTT..CGC
CoaV353	T.....T.....T..	CA	CTTG	..	A.....AA.CCG..C.....AGAC..G.....A.....T.....GTT..CGC
Murray Valley encephalitis virus					
VR77	CC.....T.....T...	AAG	...	A	G T.....AG..CG.C.....A.G.G..T..C.....A.....ACT.T.....GC
AF161266	CC.....T.....T...	AAG	...	A	G T.....AG..CG.C.....A.G.G..T..C.....A.....ACT.T.....GC
M35172	CC.....T.....T...	AAG	...	A	G T.....AG..CG.C.....A.G.G..T..C.....A.....ACT.T.....GC
Denque virus type 1					
U88537	AT...GT.GCA.....T..	T.CCAAGAC	AC..CGCAGCA	...	GC GG.....A.ACC.GG.G.....CCCTG.TG.T.....A.....CC..ACA.C....
U88536	AT...GT.GCA.....T..	T.CCAAGAC	AC..CGCAGCA	...	GC GG.....A.ACC.GG.G.....CCCTG.TG.T.....A.....CC..ACA.C....
U88535	AT...GT.GCA.....T..	T.CCAAGAC	AC..CGCAGCA	...	GC GG.....A.ACC.GG.G.....CCCTG.TG.T.....A.....CC..ACA.C....
M87512	AT...GT.GCA.....T..	T.CCAAGAC	AT..CGCAGCA	...	GC GG.....A.ACC.GG.G.....TCCTG.TG.T.....A.....CG..ATA.C.T..
AY206457	AT...GT.GCA.....T..	T.CCAAGAC	AC..CGCAGCA	...	GC GG.....A.ACC.GG.G.....CC.TG.TG.T.....A.....CC..ACA.C....
AY145123	AT...GT.GCA.....T..	T.CCAAGAC	AC..CGCAGCA	...	GC GG.....A.ACC.GG.G.....CTC.T.T.....A.....CC..ACA.C....
AY145122	AT...GT.GCA.....T..	T.CCAAGAC	AC..CGCAGCA	...	GC GG.....A.ACC.GG.G.....CTC.T.T.....A.....CC..ACA.C....
AY145121	AT...GT.GCA.....T..	T.CCAAGAC	AC..CGCAGCA	...	GC GG.....A.ACC.GG.G.....CTC.T.T.....A.....CC..ACA.C....
AF514889	AT...GT.GCA.....T..	T.CCAAGAC	AC..CGCAGCA	...	GC GG.....A.ACC.GG.G.....CC.TG.TG.T.....A.....CC..ACA.C....
AF514885	AT...GT.GCA.....T..	T.CCAAGAC	AT..CGCAGCA	...	GC GG.....A.ACC.GG.G.....CC.TG.TG.T.....A.....CC..ATA.C....
AF514878	AT...GT.GCA.....T..	T.CCAAGAC	AC..CGCAGCA	...	GC GG.....A.ACC.GG.G.....CC.TG.TG.T.....A.....CC..ATA.C....
AF514876	AT...GT.GCA.....T..	T.CCAAGAC	AT..CGCAGCA	...	GC GG.....A.ACC.GG.G.....CC.TG.TG.T.....A.....CC..ATA.C....
AF513110	AT...GT.GCA.....T..	T.CCAAGAC	AT..CGCAGCA	...	GC GG.....A.ACC.GG.G.....CC.TG.TG.T.....A.....CC..ATA.C....
AF350498	AT...GT.GCA.....T..	T.CCAAGAC	AC..CGCAGCA	...	GC GG.....A.ACC.GG.G.....CCCTG.TG.T.....A.....CC..ATA.C.T..
AF311958	AT...GT.GCA.....T..	T.CCAAGAC	AT..CGCAGCA	...	GC GG.....A.ACC.GG.G.....CC.TG.TG.T.....A.....CC..TCA.C....
AF311957	AT...GT.GCA.....T..	T.CCAAGAC	AT..CGCAGCA	...	GC GG.....A.ACC.GG.G.....CC.TG.TG.T.....A.....CC..ACA.C....

[illegible]

AF169681	AT..CGT.GT.....C.....	T.CCTC.AC	A..TCGCAGCAACAATGGG.....	AGGC..GA.T.....	TCTC.CT.....	CCCGA.A.C.A.
AF169682	AT..CGT.GT.....C.....	T.CCTC.AC	A..TCGCAGCAACAATGGG.....	AGGC..GA.T.....	TCTC.CT.....	CCCGA.A.C.A.
AF169683	AT..CGT.GT.....C.....	T.CCTC.AC	A..TCGCAGCAACAATGGG.....	AGGC..GA.T.....	TCTC.CT.....	CCCGA.A.C.A.
AF169684	AT..CGT.GT.....C.....	T.CCTC.AC	A..TCGCAGCAACAATGGG.....	AGGC..GA.T.....	TCTC.CT.....	CCCGA.A.C.A.
AF169685	AT..CGT.GT.....C.....	T.CCTC.AC	A..TCGCAGCAACAATGGG.....	AGGC..GA.T.....	TCTC.CT.....	CCCGA.A.C.A.
AF169686	AT..CGT.GT.....C.....	T.CCTC.AC	A..TCGCAGCAACAATGGG.....	AGGC..GA.T.....	TCTC.CT.....	CCCGA.A.C.A.
AF204177	AT..CGT.GT.....C.....	T.CCTT.AC	A..TCGCAGCAACAATGGG.....	AGG...GA.T.....	TCTCACT.....	CCCAA.A.C.A.
AF204178	AT..CGT.GT.....C.....	T.CCTT.AC	A..TCGCAGCAACAATGGG.....	AGG...GA.T.....	TCTCACT.....	CCCAA.A.C.A.
AF208496	AT..CGT.GT.....C.....	T.CCTT.AC	A..TCGCAGCAACAATGGG.....	AGG...GA.T.....	TCTCACT.....	CCCAA.A.C.A.
AF276619	AT..CGT.GT.....C.....	T.CCTT.GC	A..TCGCAGCAACAATGGG.....	AGG...GA.T.....	TCTCACT.....	CCCAA.A.C.A.
AF309950	AT..CGT.GT.....C.....	T.CCTT.AC	A..TCGCAGCAACAATGGG.....	AGG...GA.T.....	TCTCACT.....	CCCGA.A.T.A.
AF309951	AT..CGT.GT.....C.....	T.CCTT.AC	AG.TCGCAGCAACAATGGG.....	AGG...GA.TA.....	TCTCACCT.....	CCCAA.A.C.A.
AF305592	AT..TGT.GT.....C.....	T.CCTT.AA	G..TCGCAGCAA.AATGGG.....	AGG..TG.T.....	CCACACT.....	C.....
AF309953	GT..TGT.GT.....C.....	T.CCTT.AA	G..TCGCAGCAACAATGGG.....	AGG..TG.T.....	CCACACT.....	CCCGAG.....A.
AF309954	AT..TGT.GT.....C.....	T.CCTT.AA	G..TCGCAGCAACAATGGG.....	AGG..TG.T.....	CCACACT.....	CCCGAG.....A.
AF309955	AT..TGT.GT.....C.....	T.CCTT.AA	G..TCGCAGCAA.AATGGG.....	AGG..TG.T.....	CCACACT.....	C.....
AF309956	AT..TGT.GT.....C.....	T.CCTT.AA	G..TCGCAGCAA.AATGGG.....	AGG..TG.T.....	CCACACT.....	C.....
AF309957	AT..TGT.GT.....C.....	T.CCTT.AA	G..TCGCAGCAA.AATGGG.....	AGG..TG.T.....	CCACACT.....	C.....
AF309958	AT..CGT.GT.....C.....	T.CCTT.AC	A..TCGCAGCAACAATGGG.....	AGG...GA.T.....	TCTCACT.....	CCCGA.A.T.A.
AF309959	AT..TGT.GT.....C.....	T.CCTT.AA	A..TCGCAGCAACAATGGG.....	AGG...TGG.T.....	CCACATT.....	A.....
AF309960	AT..CGT.GT.....C.....	T.CCTT.AC	A..TCGCAGCAACAATGGG.....	AGG...GA.T.....	TCTCACT.....	CCCGA.A.T.A.
AF309961	AT..TGT.GT.....C.....	T.CCTT.AA	GG.TCGCAGCAA.AATGGG.....	AGG..TGG.T.....	CCACACT.....	CCCA.A.T.AT
AF309962	AT..CGT.GT.....C.....	T.CCTT.AC	A..TCGCAGCAACAATGGG.....	AGG...GA.T.....	TCTCACT.....	CCCGA.A.T.A.
AF309963	AT..CGT.GT.....C.....	T.CCTT.AC	A..TCGCAGCAACAATGGG.....	AGG...GA.T.....	TCTCACT.....	CCCGA.A.T.A.
AF309964	AT..CGT.GT.....C.....	T.CCTT.AC	A..TCGCAGCAACAATGGG.....	AGG...GA.T.....	TCTCACT.....	CCCGA.A.T.A.
AF309965	AT..CGT.GT.....C.....	T.CCTT.C	AG.TCGCAGCAACAATGGG.....	AGG...GA.T.....	TCTCACT.....	CCCAA.A.C.A.
AF359579	AT..CGT.GT.....C.....	T.CCTT.GC	A..TCGCAGCAACAATGGG.....	AGG...GA.T.....	TCTCACT.....	CCCGA.A.T.A.
AF489932	AT..CGT.GT.....C.....	T.CCTT.GC	A..TCGCAGCAACAATGGG.....	AGG...GA.T.....	TCTCACT.....	CCCGA.A.T.A.
AJ487271	AT..CGT.GT.....C.....	T.CCTT.AC	A..TCGCAGCAACAATGGG.....	AGGC..GA.T.....	TCTC.CT.....	CCCGA.A.C.A.
AY037116	AT..CGT.GT.....C.....	T.CCTT.AC	A..TCGCAGCAACAATGGG.....	AGG...GA.T.....	TCTCACT.A.....	CCCGA.A.C.A.
M19197	AT..CGT.GT.....C.....	T.CCTT.AC	AG.TCGCAGCAACAATGGG.....	AGG...GA.T.....	TCTCACT.....	CCCAA.A.C.A.
M20558	AT..CGT.GT.....C.....	T.CCTT.AC	A..TCGCAGCAACAATGGG.....	AGG...GA.T.....	TCTCACT.....	CCCAA.A.C.A.
M29095	AT..CGT.GT.....C.....	T.CCTT.AC	A..TCGCAGCAACAATGGG.....	AGG...GA.T.....	TCTCACT.....	CCCAA.A.C.A.
M84727	AT..CGT.GT.....C.....	T.CCTT.AC	A..TCGCAGCAACAATGGG.....	AGG...GA.T.....	TCTCACT.....	CCCAA.A.C.A.
M84728	AT..CGT.GT.....C.....	T.CCTT.AC	A..TCGCAGCAACAATGGG.....	AGG...GA.T.....	TCTCACT.....	CCCAA.A.C.A.
U61245	AT..CGT.GT.....C.....	T.CCTT.AC	A..TCGCAGCAACAATGGG.....	AGGC..GA.T.....	TCTC.CT.....	CCCGA.A.C.A.
U61246	AT..CGT.GT.....C.....	T.CCTC.AC	A..TCGCAGCAACAATGGG.....	AGGC..GA.T.....	TCTC.CT.....	CCCGA.A.C.A.
U61247	AT..CGT.GT.....C.....	T.CCTC.AC	A..TCGCAGCAACAATGGG.....	AGGC..GA.T.....	TCTC.CT.....	CCCGA.A.C.A.
U61248	AT..CGT.GT.....C.....	T.CCTT.AC	A..TCGCAGCAACAATGGG.....	AGGC..GA.T.....	TCTC.CT.....	CCCGA.A.C.A.
U87411	AT..CGT.GT.....C.....	T.CCTT.AC	A..TCGCAGCAACAATGGG.....	AGGC..GA.T.....	TCTC.CT.....	CCCGA.A.C.A.
U87412	AT..CGT.GT.....C.....	T.CCTT.AC	A..TCGCAGCAACAATGGG.....	AGGC..GA.T.....	TCTC.CT.....	CCCGA.A.C.A.
VR345-2	AT..CGT.GT.....C.....	T.CCTT.AC	A..TCGCAGCAACAATGGG.....	AGGC..GA.T.....	TCTC.CT.....	CCCGA.A.C.A.
Dengue virus type 3						
AF310149	AC..TGT.GCA.....C.....	T.CCATGAC	AC..CGCAGCA	GGCG.....	GAG.ACTGAGG.....	CC..CTTGCA.....
M931130	AC..TGT.GCA.....T.....	T.CCATGAC	AC..CGCAGCA	GGCG.....	GAG.ACTGAGG.....	CC..CTTGCA.....TA
AF317645	AC..TGT.GCA.....T.....	T.CCATGAC	AC..CGCAGCA	GGCG.....	GAG.ACTGAGG.....	CC..CTTGCA.....TA
AY099336	AC..TGT.GCA.....C.....	T.CCATGAC	AC..CGCAGCA	GGCG.....	GAG.ACTGAGG.....	CC..CTTGCA.....TA
AY099337	AC..TGT.GCA.....C.....	T.CCATGAC	AC..CGCAGCA	GGCG.....	GAG.ACTGAGG.....	CC..CTTGCA.....TA
AY099343	AC..TGT.GCA.....C.....	T.CCATGAC	AC..CGCAGCA	GGCG.....	GAG.ACTGAGG.....	CC..CTTGCA.....TA
AY099344	AC..TGT.GCA.....					

[illegible]

Inventor: Young, Karen

Replacement Sheet 13/17

Figure 3\* - cont.

[illegible]

\*Two potential binding sites for SEQ ID NOS.: 28 & 70 can be found in this region. These are denoted by single underline for SEQ ID NO.: 28, and shading for SEQ ID NO.: 70.

KY1129

5'-GTAAGCC CTCAGAACCGTCTCGGAA-3'

**WNV**

AF317203	.....
AF196835	.....
AF260967	.....
AF260968	.....
AF260969	.....
AF481864	.....
M12294	.....
AF206518	.....
AF317203	.....
AF202541	.....
AF404757	.....
AF404753	.....
AF404754	.....
AF404755	.....
AF404756	.....
AF017254	.....
L48977	.....
AF196536	.....
AF196537	.....
AF196538	.....
AF196540	.....
AF196541	.....
AF196542	.....
AF196543	.....
AF458343	.....C.....
AF458344	.....C.....
AF458347	.....
AF458348	.....
AF458350	.....
AF458352	.....C.....
AF458353	.....
AF458355	.....
AF458358	.....
AF458360	.....
AF458361	.....
AF208017	.....
AF196539	.....
AF196535	.....
AF458359	.....
AF458357	.....
AF458354	.....
AF458349	.....
AF458345	.....
AF458346	.....T.....T.....
AF533540	.....

**JEV**

AB051292	.A.....
AF014160	.A.....
AF014161	.A.....
AF045551	.A.....
AF069076	.A.....
AF075723	.A.....
AF080251	.A.....G.....
AF098735	.A.....
AF098736	.A.....
AF098737	.A.....
AF217620	.A.....
AF221499	.A.....
AF221500	.A.....
AF254452	.A.....
AF254453	.A.....
AF315119	.A.....T.....
AF416457	.A.....
AF486638	.A.....
U14163	.A.....
U15763	.A.....

Fig. 4A

KY1129

5'-GTAAGCC CTCAGAACCGTCTCGGAA-3'

JEV cont.

L48961	.A.....
U47032	.A.....
M18370	.A.....
M55506	.A.....
L78128	.A.....
D90195	.A.....
D90194	.A.....
AF311748	.A.....
AF092550	.A.....
AF092552	.A.....
AF092553	.A.....
AF139531	.A.....
AF148900	.A.....
AF148902	.A.....
AF218068	.A.....
AF289816	.A.....
AF318291	.A.....
L48967	.A.....
L48968	.A..C..
L54067	.A.....
L54068	.A.....
L54069	.A.....
L54070	.A.....
L54072	.A.....
L54122	.A.....
L54123	.A.....
AF306514	.A.....
AF306515	.A.....T.....
AF306516	.A.....T.....
AF306517	.A.....A.....T.....

MVEV

AF161266	.A.....T.C.....
M35172	.A.....T.C.....
L48972	.A.....T.C.....
L48973	.A.....T.C.....
L48974	.A.....T.C....C.....
L48975	.A.....T.C.....
L48976	.A.....T.C.....C.....

KUNJIN

AF458351	.....G.
AF458356	.....
AF297840	.....C.....
AF297841	.....
AF298942	.....
AF297843	.....
AF297844	.....
AF297845	.....
AF297846	.....C.....
AF297847	.....C.....
AF297848	.....
AF297849	.....
AF297850	.....C.....
AF297851	.....C.....GT
AF297852	.....C.....
AF297853	.....C.....
AF297854	.....
AF297855	.....
AF297856	.....
AF297857	.....G.....
AF297858	.....
AF297859	.....
L48978	.....
L49311	.....
D00246	.....
L48979	.....
L24512	.....

KOUTANGO

L48980	.....
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Fig. 4B

KY1130

5'-TCCTAGTCTA TCCCAGGTGTCAA-3'

WNV

AF196835	.....
AF260967	.....
AF260968	.....
AF260969	.....
AF481864	.....
M12294	C.....
AF206518	.....
AF317203	.....
AF202541	.....
AF404757	.....
AF404753	.....
AF404754	.....
AF404755	.....
AF404756	.....
AF017254	.....A.....

Kunjin

L24512	.....
--------	-------

JEV

AB051292	.....C.....T.....
AF014160	...C.....T.....
AF014161	...C.....T.....
AF045551	...C.C.....T.....
AF069076	...C.....T.....
AF075723	...C.....T.....
AF080251	...C.....T.....
AF098735	...C.....T.....
AF098736	...C.....T.....
AF098737	...C.....TCT.....
AF217620	...C.....T.....
AF221499	...C.....T.....
AF221500	...C.....T.....
AF254452	...C.....T.....
AF254453	...C.....T.....
AF315119	...C.....T.....
AF416457	...C.....T.....
AF486638	...C...A...T.....
U14163	...C.....T.....
U15763	...C.....T.....
L48961	...C.....T.....
U47032	.....T.....
M18370	...C.....T.....
M55506	...C.....T.....
L78128	...C.....T.....
D90195	...C.....T.....
D90194	...C.....T.....
AF311748	...C.....T.....
AF306514	...C.C.....T.....
AF306515	...C.....T.....
AF306516	...C.....T.....
AF306517	...C.C.....T.....
D00037	...C.....T.....
M14933	...C.....T.....

MVEV

AF161266	.....TT.....
M35172	.....TT.....

Fig. 4C



KY1131

5'-GGACTAGAGGTTAGAGGAGACCCCGCGG-3'

WNV

AF196835	.....
AF260967	.....
AF260968	.....
AF260969	.....
AF481864	.....
M12294	.....T
AF206518	.....
AF317203	.....
AF202541	.....
AF404757	.....
AF404753	.....
AF404754	.....
AF404755	.....
AF404756	.....
AF017254	.....
AF208017	.....T.....A..T

Kunjin

L24512	.....T
--------	--------

JEV

AB051292	.....T..
AF014160	.....T..
AF014161	.....T..
AF045551	.....T..
AF069076	.....T..
AF075723	.....T..
AF080251	.....T..
AF098735	.....T..
AF098736	.....T..
AF098737	.....T..
AF217620	.....T..
AF221499	.....T..
AF221500	.....T..
AF254452	.....T..
AF254453	.....T..
AF315119	.....T..
AF416457	.....T..
AF486638	.....T..
U14163	.....T..
U15763	.....T..
L48961	.....T..
U47032	.....T..
M18370	.....T..
M55506	.....T..
L78128	.....T..
D90195	.....T..
D90194	.....T..
AF311748	.....T..
AF306514	.....T..
AF306515	.....T..
AF306516	.....T..
AF306517	.....T..

MVEV

AF161266	.....A.TC
M35172	.....A.TC

Fig. 4D